CLAIMS

Now, therefore, the following is claimed:



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1. A system for controlling electronic devices based on physiological responses, comprising:

a sensor positioned adjacent to an eye of a user, said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and a controller configured to receive said signal and to control an electronic device based on said signal.

- 1 2. The system of claim 1, wherein said controller is configured to
 2 determine a value indicative of an excitement level of said user based on said signal
 3 and to control said electronic device based on said value.
- The system of claim 1 wherein said physiological response is a blink
 of an eyelid of said user.
- 1 4. The system of claim 1, wherein said physiological response is 2 involuntary.
- 5. The system of claim 4, wherein said physiological response is indicative of an excitement level of said user.

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- 1 6. The system of claim 1, further comprising a contact lens coupled to
- 2 said sensor.
 - The system of claim 1, wherein said electronic device is a camera.

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8. The system of claim 1, further comprising an antenna coupled to said contact lens.

- 9. The system of claim 8, wherein said sensor is configured to transmit said signal to said controller via said antenna.
- 10. The system of claim 1, wherein said sensor comprises a switch that is positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.
- The system of claim 10, wherein said switch is coupled to said
- 2 electronic device.

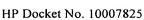
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- The method of claim 15, further comprising the step of counting, via 17. 1 said sensor, a number of eye blinks performed by said user within a specified time 2 period, wherein said controlling step is based on said counting step. 3 18. The method of claim 15, further comprising the steps of:
- 1 determining a value indicative of an excitement level of said user based on 2 3 said based on said detecting step,
- wherein said controlling step is based on said value determined in said 4 determining step. 5
 - The method of claim 18, wherein said electronic device is a camera.
 - A system, comprising: 20.
 - a camera;
 - a sensor configured to detect a physiological response of a user; and a controller configured to cause said camera to capture an image based on a detection of said physiological response by said sensor.
- The system of claim 20, wherein said physiological response is 21. 1 involuntary. 2
- The system of claim 20, wherein said controller is further configured to 22. 1 determine a value indigative of an excitement level of said user based on said 2
- detection and to cause said camera to capture said image based on said value. 3



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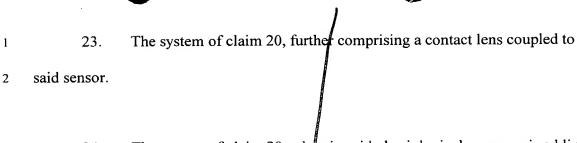
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A system for controlling electronic devices based on physiological 12. responses, comprising:

a contact lens;

a sensor coupled to said contact lens said sensor configured to detect a physiological response of said user and to transmit, in response to a detection of said physiological response, a signal indicative of said physiological response; and a controller configured to receive said signal and to control an electronic device based on said signal.

- 13. The system of claim 12, wherein said electronic device is a camera.
- The system of claim 1²/₄, wherein said sensor comprises a switch that is 14. positioned within a path of movement of an eyelid of said user, said switch activated when said user blinks said eyelid.
- A method for controlling electronic devices based on physiological 15. responses, comprising the steps of
- positioning a sensor adjacent to an eye of a user; 3
- detecting, via said sensor a physiological response of said user; and 4 automatically controlling an electronic device based on said detecting step. 5
- The method of plaim 15, wherein said sensor is coupled to a contact 16. 1 2 lens.



- 1 24. The system of claim 20, wherein said physiological response is a blink 2 of an eyelid of said user.
- 1 25. A method, comprising the steps of:
- 2 providing a camera;
- detecting a physiological response of a user of said camera; and
- automatically causing said camera to capture an image based on said detecting
- 5 step.
- 1 26. The method of clarm 25, wherein said physiological response is
- 2 involuntary.
- 1 27. The method of claim 26, further comprising the step of determining,
- 2 based on said detecting step, a value indicative of an excitement level of said user,
- wherein said causing step is performed based on said value.
- The method of claim 25, wherein said detecting step is performed by a
- 2 sensor coupled to a contact lens.
- 1 29. The method of claim 25, wherein said physiological response is a blink
- 2 of an eyelid of said user.